2019 JUN 24 AM 9: 49

2018 CERTIFICATION

Consumer Confidence Report (CCR)

		Public Water System Name
		0320001
		List PWS ID #s for all Community Water Systems included in this CCR
a Comust	nsumer Confidence be mailed or deliverst. Make sure you	ing Water Act (SDWA) requires each Community Public Water System (PWS) to develop and distribute Report (CCR) to its customers each year. Depending on the population served by the PWS, this CCR rered to the customers, published in a newspaper of local circulation, or provided to the customers upon a follow the proper procedures when distributing the CCR. You must email, fax (but not preferred) of R and Certification to the MSDH. Please check all boxes that apply.
	Customers were	e informed of availability of CCR by: (Attach copy of publication, water bill or other)
		☐ Advertisement in local paper (Attach copy of advertisement)
		☐ On water bills (Attach copy of bill)
		☐ Email message (Email the message to the address below)
		☐ Other
	Date(s) custon	mers were informed: / /2019 / /2019 / /2019
	CCR was distr methods used	ibuted by U.S. Postal Service or other direct delixery. Must specify other direct delivery
	Date Mailed/l	Distributed: / /
	CCR was distri	buted by Email (Email MSDH a copy) Date Emailed: / / 2019
		☐ As a URL(Provide Direct URL)
		☐ As an attachment
		☐ As text within the body of the email message
	CCR was publis	shed in local newspaper. (Attach copy of published CCR or proof of publication)
	Name of New	rspaper: The Fayette Chronicle
	Date Publishe	ed: <u>06 / 20 / 2019</u>
	CCR was poste	d in public places. (Attach list of locations) Date Posted: 06 / 21 / 2019
	CCR was poste	d on a publicly accessible internet site at the following address:
		(Provide Direct URL)
I here above and co of He	ealth, Bureau of Pub	CCR has been distributed to the customers of this public water system in the form and manner identified stribution methods allowed by the SDWA. I further certify that the information included in this CCR is true tent with the water quality monitoring data provided to the PWS officials by the Mississippi State Department

Submission options (Select one method ONLY)

Mail: (U.S. Postal Service) MSDH, Bureau of Public Water Supply

Name/Title (Board President, Mayor, Owner, Admin. Contact, etc.)

P.O. Box 1700 Jackson, MS 39215

Email: water.reports@msdh.ms.gov

Fax: (601) 576 - 7800

Not a preferred method due to poor clarity

Date

CCR Deadline to MSDH & Customers by July 1, 2019!

SECULATED - MATER SUPPLY

2018 Annual Drinking Water Quality Report 2019 JUN 18 AM 8: 47 Town of Fayette PWS ID #: 0320001 June 2019

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. Our water source is from wells drawing from the Catahoula Formation Aquifer.

n 1/2 7 -0

If you have any questions about this report or concerning your water utility, please contact Mayor Londell Eanochs at 601.786.3682. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the first Tuesday of each month at 6:00 PM at the Fayette City Hall.

The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identify potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells for the Town of Fayette have received higher susceptibility rankings to contamination.

We routinely monitor for contaminants in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that we detected during the period of January 1st to December 31st, 2018. In cases where monitoring wasn't required in 2018, the table reflects the most recent results. As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants from the presence of animals or from human activity; microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm-water runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations and septic systems; radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these contaminants does not necessarily indicate that the water poses a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Treatment Technique (TT) - A treatment technique is a required process intended to reduce the level of a contaminant in drinking water.

Maximum Contaminant Level (MCL) - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL) – The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary to control microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) — The level of a drinking water disinfectant below which there is no known or expected risk of health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

				TEST RES	ULTS				
Contaminant	Violation Y/N			MCL	Likely Source of Contamination				
Microbiolo	gical Co	ontamina	ants						
1. Total Coliform Bacteria			Positive	1	NA	0			Naturally present in the environmer
Inorganic (Contam	inants							
10. Barium	N	2015*	.2857	No Range	ppm	2	2		drilling wastes; n metal refineries; ural deposits

13. Chromium	N	2015*	2.7	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits	
14. Copper	N	7/01/18- 12/31/18	.2	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives	
17. Lead	Lead N 7/01/18- 6 12/31/18		6	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits	
Disinfection	By-F	roducts							
82. TTHM [Total trihalomethanes]	N	2018	1.26	No Range	ppb	0	80	By-product of drinking water chlorination.	
Chlorine	N	2018	.7	0 – 1.2	mg/l	0	MDRL = 4	Water additive used to control microbes	

^{*} Most recent sample. No sample required for 2018.

Microbiological Contaminants:

During the past year we were required to conduct and completed 1 (one) Level 1 assessment. In addition, we were required to take and completed corrective action.

We are required to monitor your drinking water for specific constituents on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Our water system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead. The Mississippi State Department of Health Public Health Laboratory offers lead testing. Please contact 601.576.7582 if you wish to have your water tested.

Significant Deficiencies

Monitoring and Reporting of Compliance Data Violations:

During a sanitary survey conducted on 5/17/2010, 4/27//2016 & 4/25/2017, the Mississippi State Department of Health cited the following significant deficiency(s):

Inadequate internal cleaning/maintenance of storage tanks

Inadequate maintenance

Inadequate follow up on previous deficiencies

Inadequate application of treatment chemicals and techniques (primary MCLs)

Inadequate/inoperable control system

Inadequate security measures

Lack of redundant mechanical components where treatment is required

Improper screening of overflow pipes, drains or vents

No approved emergency response plan or vulnerability analysis (updated annually)

Unprotected cross connections within treatment systems

Corrective Actions: This system is under a Consent Agreement to complete corrective actions by 9/24/2019

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1.800.426.4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline 1.800.426.4791.

We at the Town of Fayette work around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

⁽¹⁾ Total Coliform/E Coli, Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system. We found coliform indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct assessments (s) to identify problems and to correct any problems that were found during these assessments.

2018 Annual Drinking Water Quality Report Town of Fayette PWS ID #: 0320001 June 2019

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. Our water source is from wells drawing from the Catahoula Formation Aquifer.

If you have any questions about this report or concerning your water utility, please contact Mayor Londell Eanochs at 601-786-3682. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the first Tuesday of each month at 6:00 PM at the Fayette City Hall.

The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identify potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells for the Town of Fayette have received higher susceptibility rankings to contamination.

We routinely monitor for contaminants in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that we detected during the period of January 1" to December 31st 2018. In cases where monitoring wasn't required in 2018, the table reflects the most recent results. As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants from the presence of animals or from human activity; microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm-water runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations and septic systems; radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these contaminants does not necessarily indicate that the water poses a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Treatment Technique (TT) - A treatment technique is a required process intended to reduce the level of a contaminant in drinking water.

Maximum Contaminant Level (MCL) - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

contact Mayor Londell Eanochs at 601-786-3682. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the first Tuesday of each month at 6:00 PM at the Fayette City Hall.

The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identify potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells for the Town of Fayette have received higher susceptibility rankings to contamination.

Federal and State laws. This table below lists all of the drinking water contaminants that we detected during the period of January 1" to December 31st 2018. In cases where monitoring wasn't required in 2018, the table reflects the most recent results. As water travels over the surface of land or underground, it dissolves nature microbial contaminants, such as viruses and bacteria, that may come from sewage and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants rally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants from the presence of animals or from human activity; which may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and some contaminants. It's important to remember that the presence of these contami discharges, oil and gas production, mining, or farming; pesticides and herbicides, petroleum production, and can also come from gas stations and septic systems; radioactive contaminants, which can be naturally occurring or be the result of oil drinking water, may be reasonably expected to contain at least small amounts of in water provided by public water systems. All drinking water, including bottled ring or result from urban storm-water runoff, industrial, or domestic wastewater treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occur-We routinely monitor for contaminants in your drinking water according to nants does not necessarily indicate that the water poses a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Treatment Technique (TT) - A treatment technique is a required process intended to reduce the level of a contaminant in drinking water.

Maximum Contaminant Level (MCL) - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

⁹⁸Maximum Residual Disinfectant Level (MRDL) - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary to control microbial contaminants

Maximum Residual Disinfectant Level Goal (MRDLG) - The level of a drinking Fwater disinfectant below which there is no known or expected risk of health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants

100 Earl	14,388			TEST RES	ULIS				
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measure- ment	MCLG	MCL	Likely Source	of Contamination
Microbiolo	gical C	ontami	nants				1742 (S		
1. Total Coliform Bacteria			Positive	1	NA	0	presence of coliform bacteria in 5% o monthly samples		Naturally present in the environmen
Inorganic (Contam	inants	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					STATE OF	
10. Barium	N	2015*	.2857	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refinences; erosion of natural denocite	
13. Chromium	N	2015*	2.7	No Range	bbp	100	100	Discharge from steel and pulp milis; erosion of natural deposits	
14. Copper	N	7/01/18- 12/31/18	.2	0	ppm	1.3	AL=1.3		
17. Lead	N	7/01/18- 12/31/18	6	0	ppb	0	AL=15		
Disinfection	By-Pr	oducts							
32. TTHM Total rihalomethanes)	N 2	018 1	.26 N	o Range	bbp	0	80	By-product of chlorination.	drinking water
Chlorine	N 2)18 ,	7 0 or 2018.	-12	mg/l	0	MDRL=4	Water additive used to control microbes	

^{*} Most recent sample. No sample required for 2018.

^{*} Most recent sample. No sample required for 2018. Microbiological Contaminants:

most recent sample. No sample required for 2018. Microbiological Contami-

(1) Total Coliform/E Coli. Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, water-borne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system. We found coli-form indicating the need to look for potential problems in water treatment or dis-tribution. When this occurs, we are required to conduct assessments (s) to identify problems and to correct any problems that were found during these assessments. During the past year we were required to conduct and completed 1 (one) Level 1 assessment. In addition, we were required to take and completed corrective action.

We are required to monitor your drinking water for specific constituents on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Our water system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://twww.epa.gov/safewater/lead. The Mississippi State Department of Health Public Health Laboratory offers lead testing. Please contact 601.576.7582 if you wish to have your water tested. Significant Deficiencies

Monitoring and Reporting of Compliance Data Violations:

During a sanitary survey conducted on 5/17/2010, 4/27/12016 & 4/25/2017, the Mississippi State Department of Health cited the following significant

Inadequate internal cleaning maintenance of storage tanks Inadequate main-

Inadequate follow up on previous deficiencies Inadequate application of treatment chemicals and techniques (primary

MCLs) Inadequate/inoperable control system Inadequate security measures

Lack of redundant mechanical components where treatment is required Improper screening of overflow pipes, drains or vents

No approved emergency response plan or vulnerability analysis (updated annually) Unprotected cross connections within treatment systems

Corrective Actions: This system is under a Consent Agreement to complete corrective actions by 9/24/2019

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1.800.426.4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline 1.800.426.4791.

We at the Town of Fayette work around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

During the past year we were required to conduct and completed 1 (one) Level 1 assessment. In addition, we were required to take and completed corrective action.

We are required to monitor your drinking water for specific constituents on a nonthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.

f present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Our water system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://twww.epa.gov/safewater/lead. The Mississippi State Department of Health Public Health Laboratory offers lead testing. Please contact 601.576.7582 if you wish to have your water tested.

Significant Deficiencies

Monitoring and Reporting of Compliance Data Violations:

During a sanitary survey conducted on 5/17/2010, 4/27/12016 & 4/25/2017, the Mississippi State Department of Health cited the following significant deficiency(s)

Inadequate internal cleaning maintenance of storage tanks Inadequate main-

Inadequate follow up on previous deficiencies

Inadequate application of treatment chemicals and techniques (primary

MCLs) Inadequate/inoperable control system

Inadequate security measures

Lack of redundant mechanical components where treatment is required Im-

proper screening of overflow pipes, drains or vents

No approved emergency response plan or vulnerability analysis (updated annually) Unprotected cross connections within treatment systems

Corrective Actions: This system is under a Consent Agreement to complete corrective actions by 9/24/2019

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1.800.426.4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline 1.800.426.4791.

We at the Town of Fayette work around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

> The Fayette Chronicle Now offer E Subscription Rate\$75.00 yearly

CITY OF FAYETTE MISSISSIPPI FAYETTE, MS 39069

The CCR was posted in following locations:

- 1. City Hall
- 2. Public Works Department
- 3. Jefferson County Courthouse